

ABSTRACT OF THE DISCLOSURE

Disclosed are; a pump light source device for Raman amplification for outputting a pump light for causing signal lightwaves introduced into an optical fiber to undergo Raman amplification therein, the device including two light sources, a polarization beam combiner or a polarization-maintaining optical beam coupler to which two lightwaves are input and which is adapted to combine and output these lightwaves, and a depolarizer adapted to depolarize and output the input lightwaves, wherein the lightwaves output from the two light sources are input to the polarization beam combiner or the polarization-maintaining optical beam coupler to output a combined composite lightwave, the composite lightwave being input to the depolarizer to output a lightwave with lower degree of polarization; and a Raman amplification system using the same.

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